|           |          |            | 1,         | 24       | las        |          | .5            | CI-      | .i.          | <b>-</b>  | Index of Claims App |            |       |          |           |         |            |            |           |           |              |           |             |     | pplication No. |            |                 |               |              |                    |          |          |          |           | Applicant(s) |  |  |  |  |  |  |
|-----------|----------|------------|------------|----------|------------|----------|---------------|----------|--------------|-----------|---------------------|------------|-------|----------|-----------|---------|------------|------------|-----------|-----------|--------------|-----------|-------------|-----|----------------|------------|-----------------|---------------|--------------|--------------------|----------|----------|----------|-----------|--------------|--|--|--|--|--|--|
|           |          | 1 (171)    | //<br>1891 | 7U       | E A        |          | 1/ \<br>1/1 ( |          | ###<br>      |           | B 11 (              | EB1        |       |          |           |         | ۱,         | 10/676,274 |           |           |              |           |             |     |                |            |                 | GRIGGS ET AL. |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          |            |            |          |            |          |               |          |              |           |                     |            |       |          | Examiner  |         |            |            |           |           |              |           |             |     | Art Unit       |            |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          |            |            |          |            |          |               |          |              |           |                     |            |       | ľ        |           |         |            |            |           |           |              |           |             | ĺ   |                |            |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          |            |            |          |            |          |               |          |              |           |                     |            |       | F        | eli       | sa      | <u>C.</u>  | Hit        | esl       | hew       | <u>v_</u>    |           |             |     | 1765           |            |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          |            |            | 1        |            |          |               | 1        |              |           |                     |            |       |          |           |         |            | _          | ۱ ۱       |           |              |           |             |     |                | 1          | $\overline{}$   |               |              |                    |          |          | ı        |           |              |  |  |  |  |  |  |
|           |          |            |            |          |            |          |               |          |              |           |                     |            |       |          | ral)      | al)     |            |            | Non-Elect |           |              | ted       |             | A   | Appeal         |            |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
| Cancelled |          |            |            |          |            |          |               |          |              |           |                     |            |       |          | _         |         |            |            |           |           | H            |           |             |     |                |            |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          |            | =          | A        | llo        | we       | d             |          |              | +         |                     | Restricted |       |          |           |         |            | 4          |           |           | Interference |           |             | nce |                |            | Objected        |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          |            |            | L        |            | _        |               | J        |              | Ш         | _                   |            |       |          |           |         |            |            | ı         | Ц         |              |           | _           |     |                | j          | Щ               |               |              |                    |          |          | l        |           |              |  |  |  |  |  |  |
|           | Cla      | aim        |            |          |            |          | Dat           | Date     |              |           |                     | Claim      |       |          |           |         | Dat        |            |           |           |              |           | Claim       |     |                | L,         | Date            |               |              |                    |          | _        |          |           |              |  |  |  |  |  |  |
|           | ਜ਼       | اهر        | \$         | P        |            | Ì        |               |          |              |           |                     |            | 7     | - E      |           |         | İ          |            |           | ı         |              |           |             |     | 77             | ᅙ          |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           | Final    | Original   | 11/30/04   | 20/100   | ┡          |          |               |          |              |           | į                   |            | Final | Original |           |         |            |            |           |           | ١            |           |             |     | Final          | Original   |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          | 0          | _          | 3        | <u>_</u>   | L        | L             | L        |              | Ц         | _                   |            |       |          |           | _       | L          | Ц          |           |           | _            | $\perp$   |             |     |                |            | Ц               | 1             |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          | 1          | 1          | ١.       | H          | ⊢        | L             | ┞        | ⊢            | Н         |                     |            |       | 51<br>52 |           | ╁       | ├-         | Н          | $\dashv$  | Н         | $\dashv$     | $\dashv$  | -           |     | <u> </u>       | 101        | H               | ╄             | ┼            | Н                  |          | H        | _        | Н         |              |  |  |  |  |  |  |
|           |          | +          | 1          | 1 :      | $\vdash$   | $\vdash$ | ┞             | -        | ┝            | Н         | _                   |            |       | 53       |           | ╫       | ┢          | Н          | -         | -         | ┰            | $\dashv$  |             |     | ┢              | 102        | H               | ╁             | ╁            | $\vdash$           | -        | H        |          | Н         |              |  |  |  |  |  |  |
|           |          | 1          | 1          |          |            |          |               |          |              |           |                     |            |       | 54       | Т         |         |            |            |           |           |              |           |             |     |                | 104        |                 | 十             |              |                    |          | Н        |          | Н         |              |  |  |  |  |  |  |
|           |          | 1          | 1          | -        |            |          |               | L        |              |           |                     |            |       | 55       |           | 1       |            | Ц          |           |           | $\exists$    | $\exists$ | $\exists$ : |     |                | 105        | П               | Ţ             | $oxed{oxed}$ |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          | •          | 0          | -        | ├          | ┞        | -             | ├        | H            | Н         | _                   |            | -     | 56<br>57 |           | ┿       | ⊢          |            |           | $\dashv$  | -            | -         | -           |     | <u> </u>       | 106<br>107 | H               | +             | +-           | $\square$          | H        | $\vdash$ |          |           |              |  |  |  |  |  |  |
|           |          | 8          | 7          | . :      |            |          | H             | H        |              | H         | T                   |            |       | 58       |           | +-      | ╁╴         | Н          |           |           | $\dashv$     | $\dashv$  | ┨.          |     | <del> </del>   | 108        | H               | +             | +            | H                  | -        |          | Н        | Н         |              |  |  |  |  |  |  |
|           |          | 1          | 1          |          |            |          |               |          |              |           |                     |            |       | 59       | П         |         |            |            |           |           | コ            |           |             |     |                | 109        |                 |               | T            |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          | 10         | 0          |          |            |          | L             |          |              | Ш         |                     |            |       | 60       |           | $\perp$ |            |            |           | $\Box$    | $\exists$    |           | <u> </u>    |     |                | 110        | П               | Ţ             |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          | 12         | 0          |          | $\vdash$   | ⊢        | ⊢             | H        | H            | Н         | $\dashv$            |            |       | 61       |           | +-      | ⊢          | Н          |           | $\dashv$  | $\dashv$     | $\dashv$  | -           |     | <u> </u>       | 111        | ₩               | +             | +-           | $\vdash$           |          | -        | -        | $\vdash$  |              |  |  |  |  |  |  |
|           | 1        | (3)        | <u> </u>   | =        | H          | H        | -             | ┢        |              | H         | ٦                   |            |       | 63       |           | +       | -          | Н          | Н         |           | $\dashv$     | ᅥ         | -           |     | _              | 113        | H               | +             | ╁            |                    |          | H        | Н        | Н         |              |  |  |  |  |  |  |
|           | à        | 4          |            | =        |            |          |               |          |              |           |                     |            |       | 64       |           |         |            |            |           |           | コ            |           |             |     |                | 114        |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           | 3 4      | (45)       | <u> </u>   | =        |            | L        | <u>_</u>      | L        | $oxed{oxed}$ | Ц         | _                   |            |       | 65       |           | +       | _          | Ш          |           |           | 4            |           | ]:          |     |                | 115        |                 | ļ.            | Ļ            |                    |          |          |          |           |              |  |  |  |  |  |  |
|           | <u> </u> | <b>6</b> 6 | -          | =        | ┝          | ┢        | -             | -        |              | Н         | $\dashv$            |            |       | 66       |           | +-      | ├          | Н          | $\dashv$  | $\dashv$  | $\dashv$     | -         | -1:         |     | <u> </u>       | 116<br>117 | $\vdash$        | +             | ╀            | $\vdash$           |          | H        |          | Н         |              |  |  |  |  |  |  |
|           |          | 18         | -          | H        | $\vdash$   | H        |               | H        |              | H         | $\dashv$            |            |       | 68       |           | ╁       | H          | Н          | $\neg$    | -         | ╅            | 7         | -           |     | H              | 118        | H               | ╅             | ╁╴           | Н                  | _        | Н        | Н        | Н         |              |  |  |  |  |  |  |
|           |          | 19         |            |          |            |          |               |          |              |           |                     |            |       | 69       | Т         |         |            |            |           |           |              |           |             |     |                | 119        |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          | 20<br>21   | L          | L        | _          | L        | L             | Ļ        | L            | $\sqcup$  | _                   |            |       | 70       |           | +       | <b>├</b> - |            | 4         | _         |              | 4         | -1:         |     | <u> </u>       | 120        | H               | +             | ┢            |                    |          | Ц        | Щ        | Н         |              |  |  |  |  |  |  |
|           |          | 22         | $\vdash$   | $\vdash$ | -          | -        | ├             | $\vdash$ | -            | Н         | $\dashv$            |            | _     | 71<br>72 |           | ╁       | ╁          | Н          |           | $\dashv$  | 十            | $\dashv$  | -           |     | -              | 121<br>122 | H               | +-            | ╁            | Н                  | _        | Н        | $\dashv$ | Н         |              |  |  |  |  |  |  |
|           |          | 23         |            |          |            |          |               |          |              |           |                     |            |       | 73       | $\dagger$ | T       | T          | П          |           |           | 寸            | 7         |             |     |                | 123        | П               | $\dagger$     | 1            | П                  |          | Н        |          | $\neg$    |              |  |  |  |  |  |  |
|           |          | 24         |            |          |            | _        |               |          |              |           |                     | = (        |       | 74       | T         | $\perp$ |            |            |           | $\Box$    | $\Box$       | $\Box$    | $\exists$   |     | $\Box$         | 124        | $\Box$          | $\bot$        | oxdapprox    | П                  |          |          |          |           |              |  |  |  |  |  |  |
| :         |          | 25<br>26   | _          | _        | <u> </u>   | ┝        | L             | H        |              | Н         | $\dashv$            |            |       | 75<br>76 |           | 4       | ⊢          | Н          |           | -         | -            | $\dashv$  | -4:         |     | $\vdash$       | 125<br>126 | $\vdash$        | +             | ╀            | $\vdash$           |          | H        |          | $\dashv$  |              |  |  |  |  |  |  |
|           |          | 27         |            | H        | ┢          | ┝        | -             | -        |              | $\vdash$  | $\dashv$            | ŀ          |       | 77       |           | ╁       | ┢          | Н          | ᅱ         |           | $\dashv$     | $\dashv$  | -           |     | ┝              | 127        | $\forall$       | ╁╴            | $\vdash$     | Н                  | $\dashv$ | Н        |          | ᅥ         |              |  |  |  |  |  |  |
|           |          | 28         |            |          |            |          |               |          |              |           |                     |            |       | 78       |           | T       |            |            |           | ╛         | _            | 士         |             |     |                | 128        | ธ               | 土             | L            | П                  |          |          |          |           |              |  |  |  |  |  |  |
|           |          | 29         |            |          |            |          |               |          |              |           |                     |            |       | 79       |           | $\perp$ | $\Box$     | Ц          | _         | $\Box$    | 1            | $\dashv$  |             |     |                | 129        |                 | L             |              | Ш                  |          |          |          |           |              |  |  |  |  |  |  |
|           |          | 30<br>31   | Н          | ┝        | -          | -        | -             | -        | _            | $\dashv$  |                     |            |       | 80       |           | +       | $\vdash$   | Н          |           | $\dashv$  | +            | -         | -           |     |                | 130<br>131 | -               | +             | $\vdash$     | Н                  | _        | Н        | $\dashv$ |           |              |  |  |  |  |  |  |
|           |          | 32         | Н          | $\vdash$ | ┢          |          | $\vdash$      |          |              | $\vdash$  | -                   | ::         | -     | 82       |           | +-      | ┢          | Н          | $\dashv$  | $\exists$ | $\dashv$     | $\dashv$  | ∃:          |     |                | 132        | $\vdash$        | +             | $\vdash$     | H                  | _        | Н        | -        | -         |              |  |  |  |  |  |  |
|           |          | 33         |            |          |            |          |               |          |              |           |                     |            |       | 83       | I         | I       |            |            |           |           | $\Box$       |           |             |     |                | 133        |                 |               |              |                    |          |          |          |           |              |  |  |  |  |  |  |
|           |          | 34<br>35   | Н          | _        |            | <u> </u> | L             | Щ        |              | $\dashv$  | $\dashv$            |            |       | 84       |           | ╀       | $\sqcup$   | Н          | $\dashv$  | $\dashv$  | 4            | 4         | - ::        |     | <u> </u>       | 134        | $\vdash$        | 4             | 1            | $\sqcup$           | _        | Н        |          |           |              |  |  |  |  |  |  |
|           | _        | 36         | Н          |          | -          | Н        | ┝             | Н        |              | $\dashv$  | ⊣                   | ا: ا       |       | 85<br>86 |           | ╁       | -          | Н          | $\dashv$  | $\dashv$  | $\dashv$     | $\dashv$  | $\dashv$    | 1   | <del> </del>   | 135<br>136 | $\vdash$        | ╁             | $\vdash$     | H                  | $\dashv$ | Н        | $\dashv$ | ⊣         |              |  |  |  |  |  |  |
|           |          | 37         |            | Ш        |            |          |               |          |              |           | ╗                   |            |       | 87       |           |         |            |            |           |           | Ī            | 1         | <u> </u>    |     |                | 137        | $\vdash$        | +             |              | Н                  |          |          | 7        | $\exists$ |              |  |  |  |  |  |  |
|           |          | 38         | Ц          |          |            |          | L             | П        |              | $\square$ |                     |            |       | 88       |           | Γ       |            | П          | $\Box$    | $\Box$    | $\Box$       | $\Box$    | ]           |     |                | 138        |                 | $\top$        |              | П                  |          |          | $\Box$   | $\Box$    |              |  |  |  |  |  |  |
|           |          | 39<br>40   | $\vdash$   | -        | -          | $\vdash$ | <del> -</del> | Н        | Н            | $\dashv$  | -                   | ::}        |       | 89<br>90 |           | +       | $\vdash$   | H          | 4         | -         | $\dashv$     | +         |             |     |                | 139<br>140 | $\vdash$        | +-            | $\vdash$     | ${oldsymbol{ert}}$ |          | Н        |          | 4         |              |  |  |  |  |  |  |
|           |          | 41         | $\vdash$   | -        | H          | H        | H             | H        | Н            | H         | $\dashv$            |            |       | 91       |           | +       | $\vdash$   | Н          | $\dashv$  | +         | $\dashv$     | +         | -           | }   |                | 141        | $\vdash \vdash$ | +             | $\vdash$     | Н                  | $\dashv$ | $\vdash$ |          | $\dashv$  |              |  |  |  |  |  |  |
| į         |          | 42         |            |          |            |          |               |          |              |           |                     |            |       | 92       |           |         |            |            |           |           | ゴ            |           | :           | [   |                | 142        |                 |               |              | 口                  |          |          |          | J         |              |  |  |  |  |  |  |
| 1         | _        | 43         | Щ          |          | <u> </u> _ | <u> </u> | $\vdash$      | Ц        | Щ            | Ц         | _                   |            |       | 93       |           | $\perp$ |            | Ц          | _]        | $\dashv$  | 4            | $\dashv$  | 4:          |     |                | 143        | $\Box$          | $\Gamma$      | $\Box$       | Ц                  | $\Box$   |          | $\Box$   | 口         |              |  |  |  |  |  |  |
|           | $\dashv$ | 44<br>45   | H          | $\vdash$ | $\vdash$   | Н        | $\vdash$      | Н        | Н            | $\dashv$  | $\dashv$            |            | _     | 94       |           | ╁       | $\vdash$   | $\vdash$   | -         | $\dashv$  | $\dashv$     | +         | -           | -   |                | 144<br>145 | +               | +             | $\vdash$     | $\vdash$           | -        | $\vdash$ | $\dashv$ | $\dashv$  |              |  |  |  |  |  |  |
|           |          | 46         | H          |          |            | П        |               | H        |              |           | $\exists$           |            |       | 96       | Т         | +       | П          | H          | -         | 1         | $\dashv$     | $\dashv$  | _           | 1   | -              | 146        | $\vdash$        | +-            | П            | H                  | $\dashv$ | H        | $\dashv$ | $\dashv$  |              |  |  |  |  |  |  |
|           |          | 47         |            | _        | т          |          |               |          |              | _         |                     | .: :: [    |       | 07       | _         |         |            |            | _         | -+        | _            | _         | ~:          | : 1 |                | 447        | $\overline{}$   | $\overline{}$ | _            | _                  | _        | $\dashv$ |          | $\neg$    |              |  |  |  |  |  |  |